

MUDTOC CONSORTIUM: INCEPTION: JAN 1ST, 2016 (ONGOING)

{INCLUDES RESEARCH FROM: BAKKEN: 2009-2016, NIOBRARA: 2010-2017, VACA MUERTA: 2013-2016}

Archival Research (Completed before given consortia was rolled into MUDTOC)

VACA MUERTA CONSORTIUM – COMPLETED RESEARCH (2016)

1. **Eider Hernandez-Bilbao/Dr. Steve Sonnenberg:** Reservoir Characterization and Chemostratigraphic Variability of the Vaca Muerta Formation, Neuquén Basin, Argentina (PhD Geology/GE, Spring 2016)
2. **Anton Padin/ Dr. Azra Tutuncu:** Rock mechanics integrated study on Vaca Muerta versus Eagle Ford reservoir analogs, in order to optimize stimulation. Primary focus on Eagle Ford. (PhD Petroleum Engineering, Spring 2016)

VACA MUERTA CONSORTIUM – COMPLETED RESEARCH (2015)

3. **Andrew Dietrich/Dr. Azra Tutuncu:** The Impact of Organic Content on Geomechanics and Anisotropy in the Vaca Muerta Shale: (MS Petroleum Engineering, 2015)
4. **Josefina D’Hiriart/Dr. Steve Sonnenberg:** Vaca Muerta Formation: Seismic Interpretation and Analysis of Cinco Saltos Area” (Professional MS Study Project 2015)

VACA MUERTA CONSORTIUM – COMPLETED RESEARCH (2014)

5. **Matt Herzog/Dr. Alfred (Bill) Eustes:** Pore Pressure, and the Interdependency between Lithology, Porosity, and Acoustic Log Response Targeting the Vaca Muerta Formation (MS Petroleum Engineering, Fall 2014)
6. **Ted Kernan/Dr. Steve Sonnenberg:** Interpretation and Integration of Log & Cuttings Data and their Relationship to Electrofacies Characteristics along Seismic Reflectors within the Loma La Lata Block, Vaca Muerta Formation, Argentina (MS Geology, Spring 2014)
7. **Talgat Kosset/ Dr. Azra Tutuncu:** Integrated Wellbore Stability Analysis for Well Trajectory Optimization and reducing Drilling Risks: The Vaca Muerta Formation in Neuquén Basin (MS Petroleum Engineering, Spring 2014)
8. **Max Willis/Dr. Azra Tutuncu:** Upscaling Anisotropic Geomechanical Properties using Backus Averaging and Petrophysical Clusters in the Vaca Muerta Formation (MS Petroleum Engineering, Spring 2014)